

# **SJRWMD Minimum Flows and Levels Peer Review of Wekiva Basin Models**

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# Wekiva Basin Model Peer Review

## *Agenda*

- 1. Introductions**
- 2. CFWI Peer Review Guidelines**
- 3. Wekiva Basin Models Peer Review**
- 4. Public Comments**



# CFWI Peer Review Guidelines

- **Process approved by CFWI Steering Committee in 2012**
- **Voluntary peer review**
  - **Reviewers selected by the District**
  - **With input from stakeholders**



# CFWI Peer Review Approach

- **Peer reviewers must have expertise in the material being reviewed**
  - Select one or more reviewers for modeling and hydrological analyses
  - Select one or more reviewer for environmental analyses and MFLs report



# CFWI Peer Review **Selection Criteria**

## **General Criteria - Surface Water Modeling**

- Free of conflicts of interest.
- Not a member of the model or MFLs development team or have participated in production the of the work product
- Well qualified by virtue of education and work experience; background in engineering, geology, hydrology, or other related earth science
- Responsive and able to meet deadlines



# CFWI Peer Review **Selection Criteria**

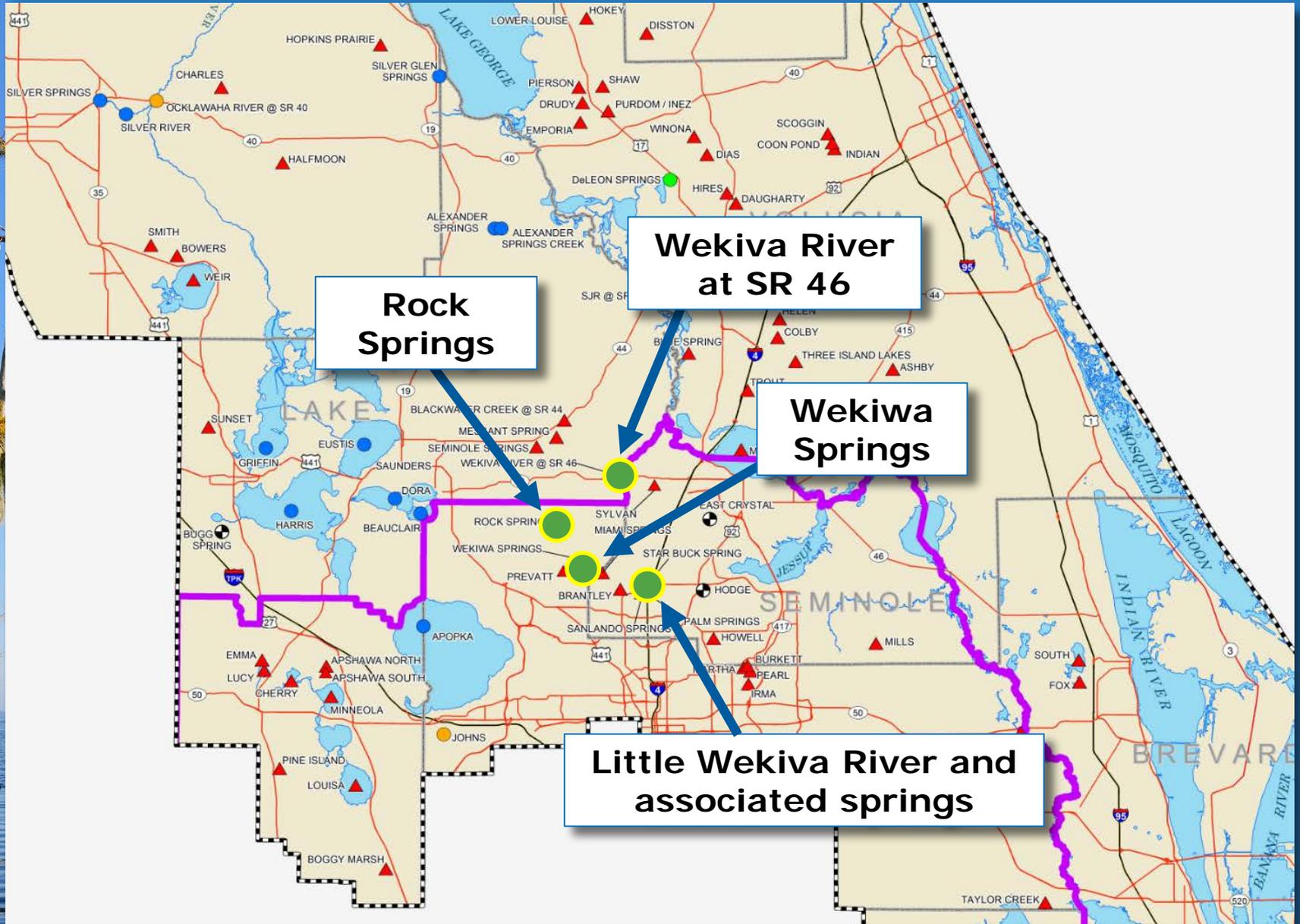
## **Specific Criteria - Surface Water Modeling**

- Experience in the development, calibration and application of surface water models with extensive knowledge of specific model under review
- Familiar with SJRWMD MFL methodology including the use of surface water models to determine and assess MFLs

## **Additional beneficial skills / experience**

- Analysis or modeling of near-surface hydrological processes
- Experience with hydrologic analysis of surface-water/groundwater interactions
- Experience in statistical analysis of hydrologic data

# St. Johns River Water Management District



**Rock Springs**

**Wekiwa River at SR 46**

**Wekiwa Springs**

**Little Wekiwa River and associated springs**

# CFWI Peer Review

## Wekiva Basin Models

### Short list:

#### 1. Intera –

- Patrick Tara, PE
- Renee Murch, PE

#### 2. HSW

- Dean Makes, PE., D.WRE

#### 3. Dynamic Solutions

- Silong Lu, PhD., P.E., D.WRE



# CFWI Peer Review **Wekiva Basin Models**

## **Next Steps:**

- **Finalize peer reviewer selection and execute work orders** ..... **Aug – 2018**
- **Set up website** ..... **Aug – 2018**
- **Peer review kick-off meeting / site visit** ..... **Sept – 2018**
- **Public workshop – initial peer reviewer comments and discussion with stakeholders** ..... **Oct – 2018**
- **Draft peer review report** ..... **Nov – 2018**
  - **Stakeholder comments – ~3 weeks**
- **Final peer review report** ..... **Dec – 2018**



# Questions?

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